	Step $1 = 12 \mu m \text{ Cu}$	Step 2=Thermount E220 from Nelco	•	id rev pitch focus (mil)	5 65	65
			Spiral Params.	pitch	15 28 2 15.25	29
			piral F	rev	2	15 31 1
			Ŝ	pi	28	31
				Eff. spot (μm)	15	15
·				# of passes	1.	7
Example 7=355 nm Laser				Power (mW) Bite Size ( $\mu$ m) # of passes Eff. spot ( $\mu$ m)	4.36	19.36
				Power (mW)	400	100
				Rep Rate (kHz)	1.1	0.267
				Via Size (μm)   Step   Speed (mm/sec)	4.8	5.13
				Step	1	2
				Via Size (μm)	12	140

Fig. 19

		Step 2=50 µm Speedboard N (PTFE)		pitch focus (mil)	75	0\$1
	Step 1=15 μm Cu		Spiral Params.		32.5	50 1 32.5
			iral Pa	id rev	1	1
			Sp	þi	50 1	20
				Eff. spot (μm)	5	\$
				# of passes	1	I
Example 8=355 nm Laser				Power (mW) Bite Size (μm) # of passes	3.84	1.15
				Power (mW)	250	200
				Rep Rate (kHz)	1.5	S
				Via Size (μm)   Step   Speed (mm/sec)	5.75	5.75
				Step	1	2
				Via Size (μm)		

				id rev pitch focus (mil)	0	0
		Step 2=50 µm Duramid Aramid Reinforced Epoxy	arams.	pitch	20	
			Spiral Params.	rev	35 10 2	
			dS		10	
				Eff. spot (μm)	32	1
Š				# of passes	I	1
Example 9=266 nm Laser	Step $1=15 \mu m$ Cu			Power (mW) Bite Size ( $\mu$ m) # of passes   Eff. spot ( $\mu$ m)	1	1.5
	Step 1=			Power (mW)	051	008
				Rep Rate (kHz)	\$	3.2
				Via Size (μm) Step Speed (mm/sec)	5	4.8
				Step	1	2
				Via Size (μm)	160	160

Fig. 21

Example 10=266 nm Laser	Step 1=15 µm Cu		Spiral Params.	id rev pitch focus (mil)	10 2 20 0	0
		Step 2=50 µmGore Speedboard N (PTFE)		Eff. spot (μm)	35 10	1
				# of passes	1	
				Power (mW) Bite Size (μm) # of passes	1	1.2
				Power (mW)	150	305
				Rep Rate (kHz)	5	3.75
				Via Size (μm) Step Speed (mm/sec)	5	4.5
				Step	-	2
				Via Size (μm)	160	160